## WHAT IS CLAIMED IS:

1	1. A method, comprising:			
2	receiving a selection of customer sites;			
3	querying a database to determine geographical locations of the selected network			
4	sites;			
5	rendering, in a graphical user interface, representations of the selected customer			
6	sites in a map at the geographical location of the selected sites in the map;			
7	receiving selection of at least one network service provider (NSP);			
8	querying the database to determine network infrastructure of the selected NSP and			
9	geographical locations of the determined network infrastructure; and			
10	rendering representations of the determined network infrastructure in a map at the			
11	determined geographical locations of the determined network infrastructure to render a			
12	visualization of the geographical locations of the selected customer sites and network			
13	infrastructure of the selected at least one NSP in the map.			

- 1 2. The method of claim 1, wherein the determined network infrastructure 2 comprises at least one of a switch and a network path, and wherein the network 3 infrastructure geographical location comprises at least one of a switch site location and a 4 route of the network path.
- 1 3. The method of claim 1, wherein the map comprises a street map, and wherein the rendered map visualizes transportation corridors, and wherein the rendered customer sites and network infrastructure are visualized superimposed over rendered transportation corridors in the street map.
- 1 4. The method of claim 1, further comprising:
  2 receiving user selection of one rendered customer site;
  3 querying the database to determine information on the selected customer site; and
  4 rendering the determined information on the selected customer site in a dialog
  5 box.

1	5. The method of 1, further comprising:		
2	querying connection information in the database to determine connections		
3	between the rendered customer sites; and		
4	rendering connections between the customer sites in the map to visualize the		
5	determined connections.		
1	6. The method of claim 5, further comprising:		
2	receiving a query including search criteria with respect to a parameter concerning		
3	network connectivity at the customer sites;		
4	querying the database to determine connections between customer sites having		
5	network connectivity information satisfying the search criteria included with the query;		
6	and		
7	rendering the determined connections in a different visual manner than those		
8	connections that do not satisfy the search criteria.		
1	7. The method of claim 5, wherein the connection information includes		
2	information on at least one of connected sites, connection bandwidth, and connection		
3	circuit types.		
1	8. The method of claim 1, further comprising:		
2	receiving a definition of a buffer region with respect to a selected customer site;		
3	querying the database to determine NSP network infrastructure located within the		
4	defined buffer region;		
5	rendering the buffer region around the rendering of the selected customer site in		
6	the map; and		
7	rendering the determined NSP network infrastructure within the defined buffer		
8	region in the map.		
1	9. The method of claim 8, wherein NSP network infrastructure rendered		
2	within the defined buffer region is rendered differently than NSP network infrastructure		
3	rendered outside of the buffer region.		

1	10. The method of claim 8, further comprising:		
2	generating a report identifying at least one of: the network infrastructure located		
3	within the buffer region, the NSP managing the identified network infrastructure, and		
4	distance of the identified network infrastructure from the selected customer site for whi		
5	the buffer region is defined.		
1	11. The method of claim 1, wherein the network infrastructure includes		
2	network switches and network paths, wherein rendering the representations of the		
3	determined network infrastructure comprises rendering representations of the determine		
4	switches in the map, further comprising:		
5	querying the database to determine network paths between the network switches		
5	rendered in the map; and		
7	rendering the network paths between the network switches in the map.		
l	12. The method of claim 11, wherein the map comprises a street map, and		
2	wherein the network paths are rendered superimposed over transportation corridors		
3	rendered on the map.		
l	13. The method of claim 11, further comprising:		
2	receiving user selection of a proposed path between the customer site and one		
3	network switch;		
4	rendering the proposed path in the map; and		
5	generating and rendering information on the proposed path in the map, includin		
5	information on the distance of the proposed path.		
l	14. The method of claim 1, further comprising:		
2	receiving selection of a plurality of customer sites rendered in the map;		
3	receiving a definition of parameters of a buffer region with respect to the selecte		
1	customer sites;		
5	determining buffer regions for each of the selected customer sites satisfying the		
5	defined parameters for the buffer region;		

7	querying the database to determine NSP network infrastructure located within			
8	each determined buffer region;			
9	rendering each determined buffer region around each selected customer site in the			
10	map; and			
11	rendering the determined NSP network infrastructure within each defined buffer			
12	2 region in the map.			
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1	15. The method of claim 14, further comprising:			
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5	distance of the identified network infrastructure from the selected customer site within			
6	the buffer region for the selected customer site.			
1	16. A system, comprising:			
2	a processor;			
3	an output device in communication with the processor;			
4	code executed by the processor to cause the processor to perform:			
5	(i) receiving a selection of customer sites;			
6	(ii) querying a database to determine geographical locations of the selected			
7	network sites;			
8	(iii) rendering, in a graphical user interface, representations of the selected			
9	customer sites in a map at the geographical location of the selected sites in the			
10	map;			
11	(iv) receiving selection of at least one network service provider (NSP);			
12	(v) querying the database to determine network infrastructure of the			
13	selected NSP and geographical locations of the determined network			
14	infrastructure; and			
15	(vi) rendering representations of the determined network infrastructure in			
16	a map at the determined geographical locations of the determined network			

17 infrastructure to render a visualization of the geographical locations of the 18 selected customer sites and network infrastructure of the selected at least one NSP 19 in the map. 1 17. The system of claim 16, wherein the determined network infrastructure 2 comprises at least one of a switch and a network path, and wherein the network infrastructure geographical location comprises at least one of a switch site location and a 3 route of the network path. 4 1 18. The system of claim 16, wherein the map comprises a street map, and 2 wherein the rendered map visualizes transportation corridors, and wherein the rendered customer sites and network infrastructure are visualized superimposed over rendered 3 4 transportation corridors in the street map. 1 19. The system of claim 16, wherein the code further causes the processor to 2 perform: receiving user selection of one rendered customer site; 3 4 querying the database to determine information on the selected customer site; and 5 rendering the determined information on the selected customer site in a dialog 6 box. 20. The system of claim 16, wherein the code further causes the processor to 1 2 perform: 3 querying connection information in the database to determine connections 4 between the rendered customer sites; and 5 rendering connections between the customer sites in the map to visualize the 6 determined connections. 1 21. The system of claim 20, wherein the code further causes the processor to 2 perform:

3	receiving a query including search criteria with respect to a parameter concerning		
4	network connectivity at the customer sites;		
5	querying the database to determine connections between customer sites having		
6	network connectivity information satisfying the search criteria included with the query;		
7	and		
8	rendering the determined connections in a different visual manner than those		
9	connections that do not satisfy the search criteria.		
1	22. The system of claim 16, wherein the connection information includes		
2	information on at least one of connected sites, connection bandwidth, and connection		
3	circuit types.		
1	23. The system of claim 16, wherein the code further causes the processor to		
2	perform:		
3	receiving a definition of a buffer region with respect to a selected customer site;		
4	querying the database to determine NSP network infrastructure located within th		
5	defined buffer region;		
6	rendering the buffer region around the rendering of the selected customer site in		
7	the map; and		
8	rendering the determined NSP network infrastructure within the defined buffer		
9	region in the map.		
1	24. The system of claim 23, wherein NSP network infrastructure rendered		
2	within the defined buffer region is rendered differently than NSP network infrastructure		
3	rendered outside of the buffer region.		
1	The system of claim 24, wherein the code further causes the processor to		
2	perform:		
3	generating a report identifying at least one of: the network infrastructure located		
4	within the buffer region, the NSP managing the identified network infrastructure, and a		

distance of the identified network infrastructure from the selected customer site for which
 the buffer region is defined.

- 1 26. The system of claim 16, wherein the network infrastructure includes
  2 network switches and network paths, wherein rendering the representations of the
  3 determined network infrastructure comprises rendering representations of the determined
- 4 switches in the map, and wherein the code further causes the processor to perform:
- querying the database to determine network paths between the network switches rendered in the map; and
- 7 rendering the network paths between the network switches in the map.
- The system of claim 26, wherein the map comprises a street map, and wherein the network paths are rendered superimposed over transportation corridors rendered on the map.
- 1 28. The system of claim 26, wherein the code further causes the processor to 2 perform:
- receiving user selection of a proposed path between the customer site and one network switch;
- 5 rendering the proposed path in the map; and
- generating and rendering information on the proposed path in the map, including information on the distance of the proposed path.
- 1 29. The system of claim 16, wherein the code further causes the processor to 2 perform:
- 3 receiving selection of a plurality of customer sites rendered in the map;
- receiving a definition of parameters of a buffer region with respect to the selected customer sites;
- determining buffer regions for each of the selected customer sites satisfying the
  defined parameters for the buffer region;

8	querying the database to determine NSP network infrastructure located within				
9	each determined buffer region;				
10	rendering each determined buffer region around each selected customer site in the				
11	map; and				
12	rendering the determined NSP network infrastructure within each defined buffer				
13	3 region in the map.				
14					
1	30. The system of claim 16, wherein the code further causes the processor to				
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3	perform:  generating a report identifying at least one of: the network infrastructure located				
	within the determined buffer regions; the NSPs managing the identified network				
5	infrastructure within the determined buffer regions; and, for each selected customer site,				
6	distance of the identified network infrastructure from the selected customer site within				
7	the buffer region for the selected customer site.				
1	31. An article of manufacture for causing operations to be performed, wherein				
2	the operations comprise:				
3	receiving a selection of customer sites;				
4	querying a database to determine geographical locations of the selected network				
5	sites;				
6	rendering, in a graphical user interface, representations of the selected customer				
7	sites in a map at the geographical location of the selected sites in the map;				
8	receiving selection of at least one network service provider (NSP);				
9	querying the database to determine network infrastructure of the selected NSP and				
10	geographical locations of the determined network infrastructure; and				
11	rendering representations of the determined network infrastructure in a map at the				
12	determined geographical locations of the determined network infrastructure to render a				
13	visualization of the geographical locations of the selected customer sites and network				
14	infrastructure of the selected at least one NSP in the map.				

1 32. The article of manufacture of claim 31, wherein the determined network 2 infrastructure comprises at least one of a switch and a network path, and wherein the 3 network infrastructure geographical location comprises at least one of a switch site 4 location and a route of the network path. 1 33. The article of manufacture of claim 31, wherein the map comprises a 2 street map, and wherein the rendered map visualizes transportation corridors, and 3 wherein the rendered customer sites and network infrastructure are visualized 4 superimposed over rendered transportation corridors in the street map. 1 34. The article of manufacture of claim 31, wherein the operations further 2 comprise: 3 receiving user selection of one rendered customer site; 4 querying the database to determine information on the selected customer site; and 5 rendering the determined information on the selected customer site in a dialog 6 box. 1 35. The article of manufacture of claim 31, wherein the operations further 2 comprise: 3 querying connection information in the database to determine connections 4 between the rendered customer sites; and 5 rendering connections between the customer sites in the map to visualize the 6 determined connections. 1 36. The article of manufacture of claim 35, wherein the operations further 2 comprise: 3 receiving a query including search criteria with respect to a parameter concerning 4 network connectivity at the customer sites; 5 querying the database to determine connections between customer sites having 6 network connectivity information satisfying the search criteria included with the query; 7 and

rendering the determined connections in a different visual manner than those connections that do not satisfy the search criteria.

- 1 37. The article of manufacture of claim 35, wherein the connection 2 information includes information on at least one of connected sites, connection 3 bandwidth, and connection circuit types.
- 1 38. The article of manufacture of claim 31, wherein the operations further
  2 comprise:

receiving a definition of a buffer region with respect to a selected customer site; querying the database to determine NSP network infrastructure located within the defined buffer region;

rendering the buffer region around the rendering of the selected customer site in the map; and

rendering the determined NSP network infrastructure within the defined buffer region in the map.

- 39. The article of manufacture of claim 38, wherein NSP network infrastructure rendered within the defined buffer region is rendered differently than NSP network infrastructure rendered outside of the buffer region.
- 40. The article of manufacture of claim 38, wherein the operations further comprise:

  generating a report identifying at least one of: the network infrastructure located

5 distance of the identified network infrastructure from the selected customer site for which

within the buffer region, the NSP managing the identified network infrastructure, and a

6 the buffer region is defined.

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41. The article of manufacture of claim 31, wherein the network infrastructure includes network switches and network paths, wherein rendering the representations of

3	the determined network intrastructure comprises relidering representations of the		
4	determined switches in the map, further comprising:		
5	querying the database to determine network paths between the network switches		
6	rendered in the map; and		
7	7 rendering the network paths between the network switches in the map.		
1	42. The article of manufacture of claim 41, wherein the map comprises a		
2	street map, and wherein the network paths are rendered superimposed over transportati		
3	corridors rendered on the map.		
1	43. The article of manufacture of claim 41, wherein the operations further		
2	comprise:		
3	receiving user selection of a proposed path between the customer site and one		
4	network switch;		
5	rendering the proposed path in the map; and		
6	generating and rendering information on the proposed path in the map, including		
7	information on the distance of the proposed path.		
1	44. The article of manufacture of claim 31, wherein the operations further		
2	comprise:		
3	receiving selection of a plurality of customer sites rendered in the map;		
4	receiving a definition of parameters of a buffer region with respect to the selected		
5	customer sites;		
6	determining buffer regions for each of the selected customer sites satisfying the		
7	defined parameters for the buffer region;		
8	querying the database to determine NSP network infrastructure located within		
9	each determined buffer region;		
10	rendering each determined buffer region around each selected customer site in the		
11	map; and		
12	rendering the determined NSP network infrastructure within each defined buffer		
13	region in the map.		

1	45.	The article of manufacture of claim 44, wherein the operations further
2	comprise:	
3	gener	rating a report identifying at least one of: the network infrastructure located
4	within the de	termined buffer regions; the NSPs managing the identified network
5	infrastructure	e within the determined buffer regions; and, for each selected customer site, a
5	distance of the	ne identified network infrastructure from the selected customer site within
7	the buffer re	gion for the selected customer site.